

National 4 Homework 2

All Questions are Non Calculator

1. Calculate

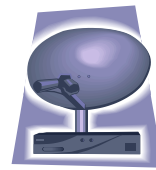
- (a) $3.46 + 18.79$ (b) 23.75×8 (c) $120.5 - 49.84$ (d) $52.65 \div 5$ (e) 6.28×10
(f) $78 \div 100$ (g) 0.043×500 (h) $13.5 \div 30$ (i) $4.27 - 1.832 + 26.9$

2. Karen travels to work between Perth and Edinburgh by train. She buys a monthly season ticket costing £329.70. A daily return ticket costs £23.10. Last month she made 20 return journeys. How much did she save by buying a season ticket?

3. The monthly costs for a satellite TV and phone package are



£20.50 for the basic package
£12.25 for line rental and calls
£16.75 for the movie channel
£18.75 for the sports package
£10.25 for HD channels.

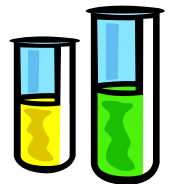


Jamie's monthly bill is £61.75. Which packages does he pay for?

4. Calculate

- (a) $-7 - 6$ (b) $-4 + 12$ (c) $6 + (-5)$ (d) $-3 - (-11)$ (e) $8 \times (-9)$ (f) $-24 \div (-6)$
(g) $-2 \times (-7) \times (-3)$ (h) $(-5)^2$ (i) $8 - 10 + (-6)$ (j) $(-3 - 5) \div (-4 + 6)$

5. In a scientific experiment Andrew measures the temperature of two liquids. One has a temperature of -13° Celsius and the other has a temperature of 18° Celsius. What is the difference between these two temperatures?



6. Complete this magic square so that each row, column and diagonal add to give the same total.

0		
	-1	
-4		-2

7. Calculate

- (a) $\frac{22 - 7}{3 + 2}$ (b) $16 + 8 \div 2$ (c) $\frac{10 - 2 \times 3}{9 - 7}$ (d) $3 + 4^2 \times 2$ (e) $7 \times (6 - 4) + 8$

8. Callum buys a can of juice and a packet of crisps for £1.12. His friend Liam buys a can of juice and 2 packets of crisps for £1.61.



- (a) How much does a packet of crisps cost?
(b) Connor buys 3 cans of juice and 4 packets of crisps in the same shop. How much will this cost?